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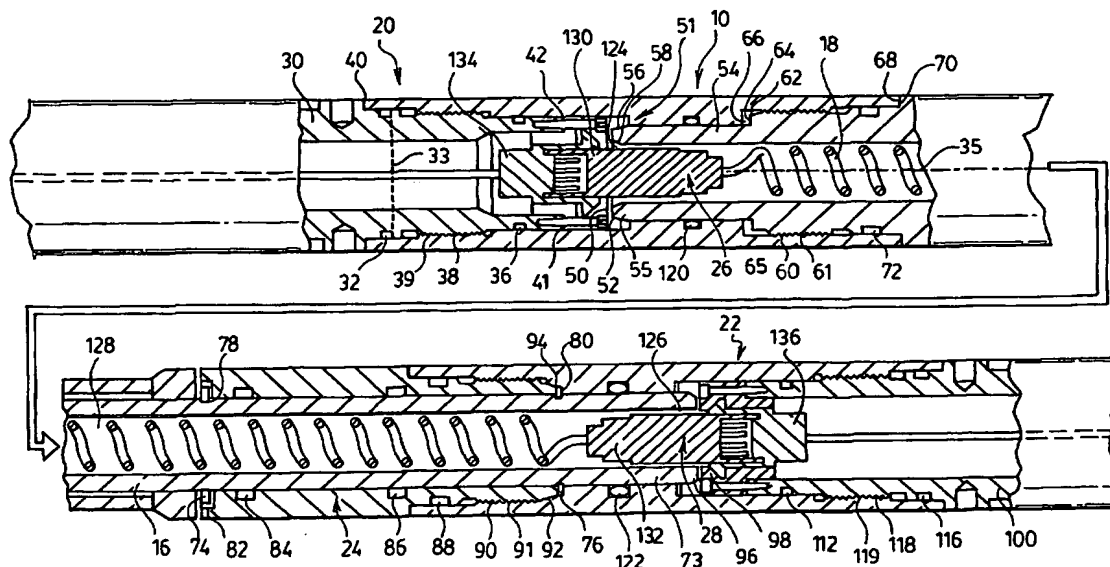
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(54) Title: TOOL MODULE CONNECTOR FOR USE IN DIRECTIONAL DRILLING



(57) Abstract: A tool module interconnect (10) for interconnecting to adjoining modules for insertion in a drill string features a system which permits making the electrical interconnection before assembly of the mechanical connections to interconnect the tool modules together. The interconnect comprises a hollow interconnect body (18) open at both ends. A wire harness (18) is provided in the hollow body with terminal end connectors (26, 28) accessible from the respective open end of the interconnect body. The interconnect is adapted for attachment to adjoining modules, where at least one end has a rotatable threaded sleeve (24) for connection to a tool module by a threaded collar.

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## INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
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According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

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## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 158 532 A (DOPF ANTHONY ROBERT ET AL) 12 December 2000 (2000-12-12) See abstract figures 1,2	1
A	WO 95 22679 A (ADVANCED MINING TECH ;HARDCASTLE PHILIP J (AU)) 24 August 1995 (1995-08-24) See abstract figure 2	1
A	US 4 660 910 A (DIEKEN JOHN M ET AL) 28 April 1987 (1987-04-28) column 3, line 9 - line 24; figures 3,4	1
A	US 4 265 305 A (HOLCOMB NORMAND P ET AL) 5 May 1981 (1981-05-05) column 5, line 45 - line 57; figure 1B	1
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☒ Patent family members are listed in annex.

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Information on patent family members

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PCT/CA 00844

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